1	The opinion in support of the decision being entered
2	today is <i>not</i> binding precedent of the Board.
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5	UNITED STATES PATENT AND TRADEMARK OFFICE
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8	BEFORE THE BOARD OF PATENT APPEALS
9	AND INTERFERENCES
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12	Ex parte TADAHIRO OHMI, HIROSHI MOROKOSHI, MICHIO YAMAJI,
13	SHIGEAKI TANAKA, KEIJI HIRAO, YUJI KAWANO, TAKASHI HIROSE,
14	KOSUKE YOKOYAMA, MICHIO KURAMOCHI, MASAYUKI HATANO,
15	and NOBUKAZU IKEDA
16	
17	
18	Appeal No. 2007-1869
19	Application No. 09/023,416
20	Technology Center 3700
21	
22	7 11 1 4 115 2007
23	Decided: August 15, 2007
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25	D C WEDDY I OWENG MIDDIEL E CDAMEODD on AHIDEDT C
26	Before TERRY J. OWENS, MURRIEL E. CRAWFORD, and HUBERT C.
27	LORIN, Administrative Patent Judges.
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29	OWENS, Administrative Patent Judge.
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31	DECICION ON ADDEAL
32	DECISION ON APPEAL
33	The Appellants appeal from a rejection of claim 1, which is the sole claim.
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THE INVENTION

The Appellants claim a fluid control apparatus which, the Appellants state, is for use in semiconductor manufacturing equipment (Spec. 1:4-6). Claim 1 is as follows:

1. A fluid control apparatus comprising a plurality of lines, each line having a fluid controller, an inlet on-off device and an outlet on-off device arranged respectively at an inlet side and an outlet side of each of the fluid controllers, each of the on-off devices on the respective sides of the fluid controllers comprising one valve or a plurality of adjacent valves, with the one valve or the adjacent valves interconnecting each other and with the fluid controllers without using tubing,

each of the on-off devices being of the type selected from the group including a 2-type on-off device having a two-port valve, a 2-3-type on-off device having a two-port valve and a three-port valve, a 2-3-3-type on-off device having a two-port valve and two three-port valves, a 3-3-type on-off device having two three-port valves, and a 3-3-3-type on-off device having three three-port valves,

main bodies of two-port valves of all types of on-off devices being identical in configuration and each having an inlet port and an outlet port in a bottom face thereof, and main bodies of three-port valves of all types of on-off devices being identical in configuration and each being formed in a bottom face thereof with an inlet port, an outlet port always in communication with the inlet port, and an inlet-outlet subopening having a port separate from said inlet port and said outlet port;

each port of said two-port valves and said three-port valves being arranged in a row disposed in a common plane along said each line; and

valve mounts mounting said valve main bodies and said fluid controllers including a plurality of joint members having upper surfaces disposed in substantial coplanar relation, said valve mounts each having a channel for holding the adjacent inlet port and outlet port of adjacent valves or fluid controller in communication, said joint members each containing passages extending entirely internally within the associated joint member and opening in the upper surface thereof to communicate with ports in the bottom faces of said valves and fluid controllers and operatively

interconnect said valves and said fluid controllers in selected fluid flow 1 relation. 2 3 THE REFERENCE 4 JP 7-286720-A Itafuji (JP '720) (as translated) Oct. 31, 1995 5 6 7 THE REJECTION 8 Claim 1 stands rejected under 35 U.S.C. § 102(b) as anticipated by JP '720. 9 **OPINION** 10 We affirm the aforementioned rejection. 11 JP '720 discloses a semiconductor fabrication machine gas transfer unit 12 having input block 10 attached, via attachment block 24, to the input control port 13 of flow control valve/mass flowmeter 53 (JP '720, ¶¶ 0001, 0011; fig. 3). Input 14 shutoff valve 54 and purge valve 55 are attached to the upperside of input 15 block 10 (JP '720, ¶ 0011, fig. 3). Output block 11 is attached, via attachment 16 block 25, to the output control port of flow control valve/mass flowmeter 53. 17 See id. Output shutoff valve 56 is attached to the upperside of output block 11. 18 See id. Communication path 20 in input block 10 links input block 10 to the input 19 of input shutoff valve 54, communication path 19 in input block 10 and attachment 20 block 24 links the outputs of input shutoff valve 54 and purge valve 55 to flow 21 control valve/mass flowmeter 53, communication path 18 in attachment block 25 22 and output block 11 links the output of flow control valve/mass flowmeter 53 to 23 output shutoff valve 56, and communication path 16 links the output of output 24

¹ The JP '720 upperside attachments correspond to the Appellants' joint members (compare the Appellants' fig. 4 and JP '720's fig. 3).

- shutoff valve 56 to output block 11 (JP '720, ¶¶ 0012, 0013).² Each of the JP '720
- input shutoff valve 54, purge valve 55 and output shutoff valve 56 is a two port
- valve (JP '720, fig. 3) (what the Appellants' claim 1 refers to as a 2-type on-off
- device). The ports of the valves are arranged in a row in a common plane along a
- 5 line (JP '720, fig. 2).
- The Appellants argue that JP '720 discloses only two port valves, not the
- other types of valves recited in claim 1 (Br. 11). To anticipate that claim a
- 8 reference need not disclose every type of valve recited. The claim merely requires
- 9 a valve selected from the recited group. One of the recited types of valves is a two
- port valve which, as acknowledged by the Appellants (Br. 11), is disclosed by
- 11 JP '720.
- The Appellants argue that JP '720's inputs and outputs to, respectively, the
- input and output blocks are on the sides, not the upper surfaces, of those blocks
- (Br. 11). The Appellants' claim 1 requires that the passages to the valves are on
- the upper surfaces of the valve mounts' joint members, but the claim has no
- requirement regarding the positions of the inlets and outlets of the valve mounts.
- 17 As acknowledged by the Appellants (Br. 11), the JP '720 blocks open at their
- upper surfaces to the valves (JP '720, fig. 3).

² The JP '720 communication paths in blocks correspond to the Appellants' channels in valve mounts (compare the Appellants' fig. 4 and JP '720's fig. 1).

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1	We therefore are not convinced of reversible error in the Examiner's
2	rejection.
3	DECISION
4	The rejection of claim 1 under 35 U.S.C. § 102(b) over JP '720 is affirmed.
5	No time period for taking any subsequent action in connection with this
6	appeal may be extended under 37 C.F.R. § 1.136(a)(2006).
7	<u>AFFIRMED</u>
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